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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete If Known

Application Number 10/647,605
Filing Date August 25, 2003
First Named Inventor S. Brandon Keller
Art Unit
Examiner Name
Attorney Docket Number 100111260-1

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
MTD		US-2002/040901 A1	02-06-2001	DARDEN ET AL	
		US- 6,185,722 B1			
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FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
MTD		JP 07334532 A	12/22/1995	Mitsubishi Denki Semiconductor		

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PATENT APPLICATION

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STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

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FOREIGN PATENT DOCUMENTS

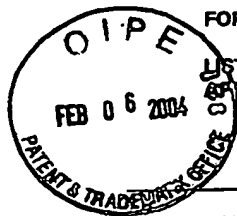
	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L				
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	1O				
	1P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	KELLER, S. Brandon; ROGERS, Dennis R.; LELM, Charles A.; U.S. Patent Application Serial Number 10/706,682, Entitled: Method And Program Product For Determining Nets Requiring Detailed Electromigration And Self Heating Analysis In A Digital Integrated Circuit; Filed November 12, 2003
1R	KELLER, S. Brandon; ROGERS, Dennis R.; LELM, Charles A.; U.S. Patent Application Serial Number 10/706,698, Entitled: Method And Program Product For Performing Self-Heating Analysis In A Digital Integrated Circuit Through A Single Cycle Transient Simulation; Filed November 12, 2003
1S	KELLER, S. Brandon; ROGERS, Dennis R.; LELM, Charles A.; U.S. Patent Application Serial Number 10/706,376, Entitled: Method And Program For Visual Display and One-Click Repair Of Electromigration And Self Heating Design-Rule Violations In A Digital Integrated Circuit Layout Database; Filed November 12, 2003

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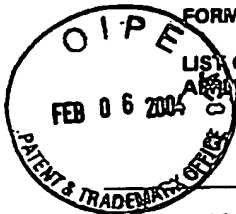
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

11-7	2Q	KELLER, S. Brandon; ROGERS, Dennis R.; LELM, Charles A.; U.S. Patent Application Serial Number 10/706,501, Entitled: Method And Program Product For Performing Electromigration Analysis In A Digital Integrated Circuit By Converting A Netlist To A DC Model And Performing DC Analysis Of The DC Model; Filed November 12, 2003
	2R	KELLER, S. Brandon; ROGERS, Dennis R.; LELM, Charles A.; U.S. Patent Application Serial Number 10/706,526, Entitled: Method And Program Product For Performing A Worst Case Electromigration And Self Heating Analysis In A Digital Integrated Circuit With Worst-Case Superposition Of Partial Currents; Filed November 12, 2003
	2S	KELLER, S. Brandon; ROGERS, Dennis R.; LELM, Charles A.; U.S. Patent Application Serial Number 10/706,692, Entitled: Method And Program Product For Performing Electromigration Analysis In A Digital Integrated Circuit Through A Single Cycle Transient Simulation; Filed November 12, 2003

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	3L				
	3M				
	3N				
	3O				
	3P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

3Q	KELLER, S. Brandon; ROGERS, Dennis R.; LELM, Charles A.; U.S. Patent Application Serial Number 10/706,508, Entitled: Method And Program Product For Performing Self-Heating Analysis In A Digital Integrated Circuit Layout Database by Substituting Resistive Models For Active Devices; Filed November 12, 2003
3R	KELLER, S. Brandon; ROGERS, Dennis R.; ROBERTS, George H.; U.S. Patent Application filed under EV210655516US; Entitled: Method And Program Product For Determining Worst Case Currents In A Digital Integrated Circuit Through Worst-Case Superposition Of Partial Currents; Docket No.: 200300123-1; Filed January 30, 2004
3S	KELLER, S. Brandon; ROGERS, Dennis R.; ROBERTS, George H.; U.S. Patent Application filed under EV210655564US; Docket: 200308901-1; Entitled: Systems And Methods For Re-Using Circuit Design Analysis Results; Filed January 30, 2004

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	4L				
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	4N				
	4O				
	4P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

MTD	4Q	KELLER, S. Brandon; ROGERS, Dennis R.; ROBERTS, George H.; U.S. Patent Application filed under EV210655581US; Docket No.: 200308899-1; Entitled: System And Method For Determining Detail Of Analysis In A Circuit Design; Filed January 30, 2004
	4R	KELLER, S. Brandon; ROGERS, Dennis R.; ROBERTS, George H.; U.S. Patent Application filed under EV210655595US; Docket No.: 200308898-1; Entitled: Systems And Methods That Identify Equivalent Instantiation-Specific Configuration Information For Analysis Tools; Filed January 30, 2004
	4S	KELLER, S. Brandon; ROGERS, Dennis R.; ROBERTS, George H. & STEVENS, Scott Alan; U.S. Patent Application filed under EV210655520US; Entitled: System And Method To Limit Analyzed Current Flow In A Circuit Design; Filed January 30, 2004

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FORM PTO-1449

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	5K			

FOREIGN PATENT DOCUMENTS

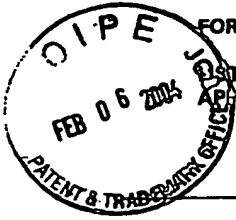
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	5L				
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	5P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

M-7)	5Q	KELLER, S. Brandon; ROGERS, Dennis R.; ROBBERTS, George H.; U.S. Patent Application filed under EV210655533US; Docket: 200310172-1; Entitled: System And Method For Processing Configuration Information; Filed January 30, 2004
	5R	KELLER, S. Brandon; ROGERS, Dennis R.; ROBBERTS, George H.; U.S. Patent Application filed under EV210655555US; Docket: 200310170-1; Entitled: System And Method For Balancing Run-Time And Result Accuracy In A Circuit Design Analysis Tool; Filed January 30, 2004
	5S	KELLER, S. Brandon; ROGERS, Dennis R.; ROBBERTS, George H.; U.S. Patent Application filed under EV210655578US; Docket: 200308900-1; Entitled: System And Method For Indicating Logic State Combinations Used During Circuit Design Analysis; Filed January 30, 2004

EXAMINER

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FORM PTO-1449

 U.S. DEPT. OF PATENTS AND PUBLICATIONS FOR
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	6L				
	6M				
	6N				
	6O				
	6P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

6Q	KELLER, S. Brandon; ROGERS, Dennis R.; ROBBERTS, George H.; U.S. Patent Application filed under EV210655547US; Docket: 200310171-1; Entitled: System And Method For Determining Control Signal Combinations For Use During Simulation Of A Stage Of A Circuit Design; Filed January 30, 2004
6R	
6S	

EXAMINER

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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August 25, 2003

First Named Inventor

S. Brandon Keller

Art Unit

Not Yet Assigned

Examiner Name

Magid Y. Dimyan

Attorney Docket Number

100111260-1

U.S. PATENT DOCUMENTS

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		Number - Kind Code ² (if known)			
M-11		US-2002/0144219	10-03-2002	Zachariah, et al.	
		US- 2003/0200519	10-23-2003	Argyres	
		US- 2003/0208721	11-06-2003	Regnier	
		US- 2003/0221173	11-27-2003	Fisher	
		US- 5,249,133	09-28-1993	Batra	
		US- 5,301,318	04-05-1994	Mital	
		US- 5,668,732	09-16-1997	Khouja, et al.	
		US- 5,673,420	09-30-1997	Reyes, et al.	
		US- 5,682,320	10-28-1997	Khouja, et al.	
		US- 5,696,694	12-09-1997	Khouja, et al.	
		US- 5,838,579	11-17-1998	Olson, et al.	
		US- 5,903,476	05-11-1999	Mauskar, et al.	
		US- 5,946,218	08-31-1999	Taylor, et al.	
		US- 5,949,691	09-07-1999	Kurosaka, et al.	
		US- 6,075,932	08-13-2000	Khouja, et al.	
		US- 6,272,671	08-07-2001	Fakhry	
		US- 6,330,703	12-11-2001	Saito, et al.	
		US- 6,345,379	02-05-2002	Khouja, et al.	
		US- 6,378,123	04-23-2002	Dupenloup	
		US- 6,490,717 B1	12-03-2002	Pederson, et al.	
		US- 6,483,864	12-10-2002	Liu	
		US- 6,529,861	03-04-2003	Patra, et al.	
		US- 6,531,923 B2	03-11-2003	Burns	
		US- 6,598,211	07-22-2003	Zachariah, et al.	
		US- 6,751,782 B2	06-15-2004	Levin, et al.	
		US- 6,801,884	10-05-2004	Ferrer, et al.	
		US- 6,836,877	12-28-2004	Dupenloup	

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